SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-phospho-alpha Adducin (Ser726)antibody

Catalog Number: SL6189R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	phospho-alpha Adducin (Ser726)
Immunogen:	KLH conjugated synthesised phosphopeptide derived from human alpha Adducin around the phosphorylation site of Ser726: TP(p-S)FL
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Dog, Pig, Cow, Horse, Rabbit)
Predicted MW.:	81kDa
Subcellular Location:	cytoplasmic The cell membrane
Background:	Adducins are a family of cytoskeleton proteins encoded by three genes (alpha, beta and gamma). Adducin is a protein associated with the inner leaflet of the plasma membrane and is one of the proteins localized at the spectrin-Actin junction of the membrane skeleton. The cortical Actin cytoskeletal network is lost during apoptosis and Adducins are central in the cortical Actin network organization. Adducin alpha is a cytoskeletal protein involved with sodium-pump activity in the renal tubule and is associated with hypertension. The expression of Adducin alpha and Adducin gamma is ubiquitous in contrast to the restricted expression of Adducin beta . Adducin beta is expressed at high levels in brain and hematopoietic tissues, such as bone marrow in humans and spleen in mice.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Function: Membrane-cytoskeleton-associated protein that promotes the assembly of the spectrin-actin network. Binds to calmodulin. **Subunit:** Heterodimer of an alpha and a beta subunit or an alpha and a gamma subunit. **Subcellular Location:** Cytoplasm, cytoskeleton. Cell membrane; Peripheral membrane protein; Cytoplasmic side. **Tissue Specificity:** Expressed in all tissues. Found in much higher levels in reticulocytes than the beta subunit. **Similarity:** Belongs to the aldolase class II family. Adducin subfamily. **Database links:** **Entrez Gene:** 118 Human **Entrez Gene:** 11518 Mouse **Entrez Gene:** 24170 Rat Omim: 102680 Human **SwissProt:** P35611 Human **SwissProt:** Q9QYC0 Mouse **SwissProt:** Q63028 Rat **Unigene:** 183706 Human **Unigene:** 289106 Mouse **Unigene:** 5788 Rat

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